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TITLE: POLYETHYLENE RESIN COMPOSITION FOR EXTRUDED
LAMINATE AND
EXTRUDED LAMINATE PRODUCT
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ABSTRACT:

PROBLEM TO BE SOLVED: To provide a composition suitable for use as a sealant layer for food packaging materials and the like which has good sealing properties at a low temperature and a high heat seal strength, and also exhibits stable and good sealing properties over a wide range of temperature, and further is excellent in processability and has good slipping properties, by compounding two or more types of linear low density ethylene copolymer and two types of low density polyethylene.

SOLUTION: A linear low density ethylene copolymer (A) used in this composition is a copolymer of ethylene and 3-20C α -olefin which is prepared using a metallocene catalyst, wherein a type of (A), hereinafter referred to as (A1), has a density (d) of 0.87 or less and a melt flow rate (MFR) of 0.1 to 40 and another type of (A), (An), has d of 0.87 or more and MFR of 0.1 to 40. A type of low density polyethylene (B), (B1), has d of 0.91 to 0.93, MFR of 0.1 to 30 and a melt strength of 4g or more, and another type of (B), (B2), has d of 0.91 to 0.93, MFR of 0.1 to 30 and a melt strength of less than 4g. This composition comprises 50 to 99wt.% component (A) and 50 to 1wt.% component (B), and the weight ratios of A1/An and B1/B2 are 1/99 to 99/1.

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